

08/08/00
JC901 U.S. PTO

08-09-00

A

Proposed class/subcl. 455-575.00
Examiner: PERSINO, R.
Art Unit: 2744
PATENT

Practitioner's Docket No. ANT-600

Preliminary Classification:

Proposed Class:

Subclass:

NOTE: "All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand corner of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129.' " M.P.E.P. § 601, 7th ed.

JC869 U.S. PTO
09/634140

08/08/00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): CROWLEY, R.J. & HALGREN, D.N.

WARNING: 37 C.F.R. § 1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

"(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.63, except as provided in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name or names of the inventor or inventors."

For (title): Radiative Focal Antenna Transmission Coupling Arrangement

CERTIFICATION UNDER 37 C.F.R. § 1.10*

(Express Mail label number is mandatory.)

(Express Mail certification is optional.)

I hereby certify that this New Application Transmittal and the documents referred to as attached therein are being deposited with the United States Postal Service on this date 22 Aug 2000, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number EE327700821U, addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

D.N. Halgren
(type or print name of person mailing paper)

[Signature]
Signature of person mailing paper

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. § 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

***WARNING:** Each paper or fee filed by "Express Mail" **must** have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. § 1.10(b).

"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will **not** be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

1. Type of Application

This new application is for a(n)

(check one applicable item below)

- ☐ Original (nonprovisional)
☐ Design
☐ Plant

WARNING: Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. § 371(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application.

WARNING: Do not use this transmittal for the filing of a provisional application.

NOTE: If one of the following 3 items apply, then complete and attach **ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED** and a **NOTIFICATION IN PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION**.

- ☐ Divisional.
☐ Continuation.
☒ Continuation-in-part (C-I-P).

2. Benefit of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121)

NOTE: A nonprovisional application may claim an invention disclosed in one or more prior filed copending nonprovisional applications or copending international applications designating the United States of America. In order for a nonprovisional application to claim the benefit of a prior filed copending nonprovisional application or copending international application designating the United States of America, each prior application must name as an inventor at least one inventor named in the later filed nonprovisional application and disclose the named inventor's invention claimed in at least one claim of the later filed nonprovisional application in the manner provided by the first paragraph of 35 U.S.C. § 112. Each prior application must also be:

(i) An international application entitled to a filing date in accordance with PCT Article 11 and designating the United States of America; or

(ii) Complete as set forth in § 1.51(b); or

(iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or

(iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(l) within the time period set forth in § 1.53(f).

37 C.F.R. § 1.78(a)(1).

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach **ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED**.

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

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WARNING: When the last day of pendency of a provisional application falls on a Saturday, Sunday, or Federal holiday within the District of Columbia, any nonprovisional application claiming benefit of the provisional application **must** be filed prior to the Saturday, Sunday, or Federal holiday within the District of Columbia. See 37 C.F.R. § 1.78(a)(3).

- ☐ The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

3. Papers Enclosed

- A. Required for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application

12 Pages of specification
4 Pages of claims
1 Sheets of drawing

WARNING: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments on proposed then-new 37 C.F.R. § 1.84, see Notice of March 9, 1988 (1990 O.G. 57-62).

NOTE: "Identifying indicia, if provided, should include the application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application. This information should be placed on the back of each sheet of drawing a minimum distance of 1.5 cm. (5/8 inch) down from the top of the page . . ." 37 C.F.R. § 1.84(c).

(complete the following, if applicable)

- ☐ The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. § 1.84(b).

- ☐ formal
☒ informal

B. Other Papers Enclosed

8 Pages of declaration and power of attorney
1 Pages of abstract
 _____ Other

4. Additional papers ~~enclosed~~

- ☐ Amendment to claims
- ☐ Cancel in this applications claims _____ before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)
- ☐ Add the claims shown on the attached amendment. (Claims added have been numbered consecutively following the highest numbered original claims.)
- ☒ Preliminary Amendment *Will Follow Drawing*
- ☐ Information Disclosure Statement (37 C.F.R. § 1.98)
- ☐ Form PTO-1449 (PTO/SB/08A and 08B)
- ☐ Citations

- ☐ Declaration of Biological Deposit
- ☐ Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
- ☐ Authorization of Attorney(s) to Accept and Follow Instructions from Representative
- ☐ Special Comments
- ☐ Other

5. Declaration or oath (including power of attorney)

NOTE: A newly executed declaration is not required in a continuation or divisional application provided that the prior nonprovisional application contained a declaration as required, the application being filed is by all or fewer than all the inventors named in the prior application, there is no new matter in the application being filed, and a copy of the executed declaration filed in the prior application (showing the signature or an indication thereon that it was signed) is submitted. The copy must be accompanied by a statement requesting deletion of the names of person(s) who are not inventors of the application being filed. If the declaration in the prior application was filed under § 1.47, then a copy of that declaration must be filed accompanied by a copy of the decision granting § 1.47 status or, if a nonsigning person under § 1.47 has subsequently joined in a prior application, then a copy of the subsequently executed declaration must be filed. See 37 C.F.R. §§ 1.63(d)(1)–(3).

NOTE: A declaration filed to complete an application must be executed, identify the specification to which it is directed, identify each inventor by full name including family name and at least one given name, without abbreviation together with any other given name or initial, and the residence, post office address and country or citizenship of each inventor, and state whether the inventor is a sole or joint inventor. 37 C.F.R. § 1.63(a)(1)–(4).

NOTE: "The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.62, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(i) is filed supplying or changing the name or names of the inventor or inventors." 37 C.F.R. § 1.41(a)(1).

☒ Enclosed
Executed by

(check **all** applicable boxes)

- ☒ inventor(s).
- ☐ legal representative of inventor(s).
37 C.F.R. §§ 1.42 or 1.43.
- ☐ joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.

☐ This is the petition required by 37 C.F.R. § 1.47 and the statement required by 37 C.F.R. § 1.47 is also attached. See item 13 below for fee.

☐ Not Enclosed.

NOTE: Where the filing is a completion in the U.S. of an International Application or where the completion of the U.S. application contains subject matter in addition to the International Application, the application may be treated as a continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.

- ☐ Application is made by a person authorized under 37 C.F.R. § 1.41(c) on behalf of *all* the above named inventor(s).

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(The declaration or oath, along with the surcharge required by 37 C.F.R. § 1.16(e) can be filed subsequently).

- ☐ Showing that the filing is authorized.
(not required unless called into question. 37 C.F.R. § 1.41(d))

6. Inventorship Statement

WARNING: If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the last claimed invention was made, should be submitted.

The inventorship for all the claims in this application are:

☒ The same.

or

- ☐ Not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made,
- ☐ is submitted.
- ☐ will be submitted.

7. Language

NOTE: An application including a signed oath or declaration may be filed in a language other than English. An English translation of the non-English language application and the processing fee of \$130.00 required by 37 C.F.R. § 1.17(k) is required to be filed with the application, or within such time as may be set by the Office. 37 C.F.R. § 1.52(d).

☒ English

☐ Non-English

- ☐ The attached translation includes a statement that the translation is accurate. 37 C.F.R. § 1.52(d).

8. Assignment

☐ An assignment of the invention to _____

- ☐ is attached. A separate ☐ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or ☐ FORM PTO 1595 is also attached.

☐ will follow.

NOTE: "If an assignment is submitted with a new application, send two separate letters—one for the application and one for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78).

WARNING: A newly executed "CERTIFICATE UNDER 37 C.F.R. § 3.73(b)" must be filed when a continuation-in-part application is filed by an assignee. Notice of April 30, 1993, 1150 O.G. 62-64.

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000000 "04T4E350

9. Certified Copy

Certified copy(ies) of application(s)

Country	Appln. No.	Filed
Country	Appln. No.	Filed
Country	Appln. No.	Filed

from which priority is claimed

- ☐ is (are) attached.
☐ will follow.

NOTE: The foreign application forming the basis for the claim for priority must be referred to in the oath or declaration. 37 C.F.R. § 1.55(a) and 1.63.

NOTE: This item is for any foreign priority for which the application being filed directly relates. If any parent U.S. application or International Application from which this application claims benefit under 35 U.S.C. § 120 is itself entitled to priority from a prior foreign application, then complete item 18 on the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

10. Fee Calculation (37 C.F.R. § 1.16)

A. ☒ Regular application

CLAIMS AS FILED			
Number filed	Number Extra	Rate	Basic Fee 37 C.F.R. § 1.16(a) \$690.00
Total Claims (37 C.F.R. § 1.16(c))	15 - 20 = —	×	\$ 18.00
Independent Claims (37 C.F.R. § 1.16(b))	2 - 3 = —	×	\$ 78.00
Multiple dependent claim(s), if any (37 C.F.R. § 1.16(d))		+	\$260.00

- ☐ Amendment cancelling extra claims is enclosed.
☐ Amendment deleting multiple-dependencies is enclosed.
☐ Fee for extra claims is not being paid at this time.

NOTE: If the fees for extra claims are not paid on filing they must be paid or the claims cancelled by amendment, prior to the expiration of the time period set for response by the Patent and Trademark Office in any notice of fee deficiency. 37 C.F.R. § 1.16(d).

Filing Fee Calculation

\$ 690

B. ☐ Design application
(\$310.00—37 C.F.R. § 1.16(f))

Filing Fee Calculation

\$

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- C. ☐ Plant application
(\$480.00—37 C.F.R. § 1.16(g))

Filing fee calculation

\$ _____

11. Small Entity Statement(s)

- ☐ Statement(s) that this is a filing by a small entity under 37 C.F.R. § 1.9 and 1.27 is (are) attached.

WARNING: "Status as a small entity must be specifically established in each application or patent in which the status is available and desired. Status as a small entity in one application or patent does not affect any other application or patent, including applications or patents which are directly or indirectly dependent upon the application or patent in which the status has been established. The refiling of an application under § 1.53 as a continuation, division, or continuation-in-part (including a continued prosecution application under § 1.53(d)), or the filing of a reissue application requires a new determination as to continued entitlement to small entity status for the continuing or reissue application. A nonprovisional application claiming benefit under 35 U.S.C. § 119(e), 120, 121, or 365(c) of a prior application, or a reissue application may rely on a statement filed in the prior application or in the patent if the nonprovisional application or the reissue application includes a reference to the statement in the prior application or in the patent or includes a copy of the statement in the prior application or in the patent and status as a small entity is still proper and desired. The payment of the small entity basic statutory filing fee will be treated as such a reference for purposes of this section." 37 C.F.R. § 1.28(a)(2).

WARNING: "Small entity status must not be established when the person or persons signing the . . . statement can **unequivocally** make the required self-certification." M.P.E.P., § 509.03, 6th ed., rev. 2, July 1996 (emphasis added).

(complete the following, if applicable)

- ☐ Status as a small entity was claimed in prior application
_____/_____, filed on _____, from which benefit
is being claimed for this application under:

- 35 U.S.C. § ☐ 119(e),
☐ 120,
☐ 121,
☐ 365(c),

and which status as a small entity is still proper and desired.

- ☐ A copy of the statement in the prior application is included.

Filing Fee Calculation (50% of A, B or C above)

\$ _____

NOTE: Any excess of the full fee paid will be refunded if small entity status is established and a refund request are filed within 2 months of the date of timely payment of a full fee. The two-month period is not extendable under § 1.136. 37 C.F.R. § 1.28(a).

12. Request for International-Type Search (37 C.F.R. § 1.104(d))

(complete, if applicable)

- ☐ Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

13. Fee Payment Being Made at This Time

☐ Not Enclosed

☐ No filing fee is to be paid at this time.

(This and the surcharge required by 37 C.F.R. § 1.16(e) can be paid subsequently.)

☒ Enclosed

☒ Filing fee

\$ 690.00

☐ Recording assignment

(\$40.00; 37 C.F.R. § 1.21(h))

(See attached "COVER SHEET FOR
ASSIGNMENT ACCOMPANYING NEW
APPLICATION".)

\$ _____

☐ Petition fee for filing by other than all the
inventors or person on behalf of the inventor
where inventor refused to sign or cannot be
reached

(\$130.00; 37 C.F.R. §§ 1.47 and 1.17(i))

\$ _____

☐ For processing an application with a
specification in

a non-English language

(\$130.00; 37 C.F.R. §§ 1.52(d) and 1.17(k))

\$ _____

☐ Processing and retention fee

(\$130.00; 37 C.F.R. §§ 1.53(d) and 1.21(l))

\$ _____

☐ Fee for international-type search report

(\$40.00; 37 C.F.R. § 1.21(e))

\$ _____

NOTE: 37 C.F.R. § 1.21(f) establishes a fee for processing and retaining any application that is abandoned for failing to complete the application pursuant to 37 C.F.R. § 1.53(f) and this, as well as the changes to 37 C.F.R. §§ 1.53 and 1.78(a)(1), indicate that in order to obtain the benefit of a prior U.S. application, either the basic filing fee must be paid, or the processing and retention fee of § 1.21(f) must be paid, within 1 year from notification under § 53(f).

Total fees enclosed

\$ 690.00

14. Method of Payment of Fees

☒ Check in the amount of \$ 690.00

☐ Charge Account No. _____ in the amount of
\$ _____

A duplicate of this transmittal is attached.

NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 C.F.R. § 1.22(b).

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Country	Year	Population (millions)	Urban population (millions)	Urban population (%)	Population density (per sq km)	Urban population density (per sq km)	Population growth rate (%)	Urban population growth rate (%)	Population growth rate (%)	Urban population growth rate (%)	Population growth rate (%)	Urban population growth rate (%)
Algeria	1980	12.5	4.5	36	100	222	1.8	2.5	1.8	2.5	1.8	2.5
Algeria	1985	13.5	5.5	41	110	250	2.0	2.8	2.0	2.8	2.0	2.8
Algeria	1990	14.5	6.5	45	120	278	2.2	3.0	2.2	3.0	2.2	3.0
Algeria	1995	15.5	7.5	48	130	306	2.4	3.2	2.4	3.2	2.4	3.2
Algeria	2000	16.5	8.5	51	140	334	2.6	3.4	2.6	3.4	2.6	3.4
Algeria	2005	17.5	9.5	54	150	362	2.8	3.6	2.8	3.6	2.8	3.6
Algeria	2010	18.5	10.5	57	160	390	3.0	3.8	3.0	3.8	3.0	3.8
Algeria	2015	19.5	11.5	59	170	418	3.2	4.0	3.2	4.0	3.2	4.0
Algeria	2020	20.5	12.5	61	180	446	3.4	4.2	3.4	4.2	3.4	4.2
Algeria	2025	21.5	13.5	63	190	474	3.6	4.4	3.6	4.4	3.6	4.4
Algeria	2030	22.5	14.5	64	200	502	3.8	4.6	3.8	4.6	3.8	4.6
Algeria	2035	23.5	15.5	66	210	530	4.0	4.8	4.0	4.8	4.0	4.8
Algeria	2040	24.5	16.5	67	220	558	4.2	5.0	4.2	5.0	4.2	5.0
Algeria	2045	25.5	17.5	69	230	586	4.4	5.2	4.4	5.2	4.4	5.2
Algeria	2050	26.5	18.5	70	240	614	4.6	5.4	4.6	5.4	4.6	5.4
Algeria	2055	27.5	19.5	71	250	642	4.8	5.6	4.8	5.6	4.8	5.6
Algeria	2060	28.5	20.5	72	260	670	5.0	5.8	5.0	5.8	5.0	5.8
Algeria	2065	29.5	21.5	73	270	698	5.2	6.0	5.2	6.0	5.2	6.0
Algeria	2070	30.5	22.5	74	280	726	5.4	6.2	5.4	6.2	5.4	6.2
Algeria	2075	31.5	23.5	75	290	754	5.6	6.4	5.6	6.4	5.6	6.4
Algeria	2080	32.5	24.5	76	300	782	5.8	6.6	5.8	6.6	5.8	6.6
Algeria	2085	33.5	25.5	76	310	810	6.0	6.8	6.0	6.8	6.0	6.8
Algeria	2090	34.5	26.5	77	320	838	6.2	7.0	6.2	7.0	6.2	7.0
Algeria	2095	35.5	27.5	77	330	866	6.4	7.2	6.4	7.2	6.4	7.2
Algeria	2100	36.5	28.5	78	340	894	6.6	7.4	6.6	7.4	6.6	7.4
Algeria	2105	37.5	29.5	79	350	922	6.8	7.6	6.8	7.6	6.8	7.6
Algeria	2110	38.5	30.5	79	360	950	7.0	7.8	7.0	7.8	7.0	7.8
Algeria	2115	39.5	31.5	80	370	978	7.2	8.0	7.2	8.0	7.2	8.0
Algeria	2120	40.5	32.5	80	380	1006	7.4	8.2	7.4	8.2	7.4	8.2
Algeria	2125	41.5	33.5	81	390	1034	7.6	8.4	7.6	8.4	7.6	8.4
Algeria	2130	42.5	34.5	81	400	1062	7.8	8.6	7.8	8.6	7.8	8.6
Algeria	2135	43.5	35.5									

16. Instructions as to Overpayment

NOTE: "... Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).

☐ Credit Account No. _____

☒ Refund

Reg. No. 27056

Tel. No. (978) 526-8000

Customer No.


SIGNATURE OF PRACTITIONER

Don Halgren
(type or print name of attorney)

35 Central Street
P.O. Address

Manchester MA 06144

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☒ **Incorporation by reference of added pages**

(check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED)

- ☒ Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed

Number of pages added 2

- ☐ Plus Added Pages for Papers Referred to in Item 4 Above

Number of pages added _____

- ☐ Plus added pages deleting names of inventor(s) named in prior application(s) who is/are no longer inventor(s) of the subject matter claimed in this application.

Number of pages added _____

- ☐ Plus "Assignment Cover Letter Accompanying New Application"

Number of pages added _____

☐ **Statement Where No Further Pages Added**

(if no further pages form a part of this Transmittal, then end this Transmittal with this page and check the following item)

- ☐ This transmittal ends with this page.

Practitioner's Docket No. ANT- Good

PATENT

ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF
PRIOR U.S. APPLICATION(S) CLAIMED

NOTE: See 37 C.F.R. § 1.78.

17. Relate Back

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120, 121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(complete the following, if applicable)

☒ Amend the specification by inserting, before the first line, the following sentence:

A. 35 U.S.C. § 119(e)

NOTE: "Any nonprovisional application claiming the benefit of one or more prior filed copending provisional applications must contain or be amended to contain in the first sentence of the specification following the title a reference to each such prior provisional application, identifying it as a provisional application, and including the provisional application number (consisting of series code and serial number)." 37 C.F.R. § 1.78(a)(4).

☐ "This application claims the benefit of U.S. Provisional Application(s) No(s).:

APPLICATION NO(S).:

FILING DATE

____ / _____

_____ "

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_____ "

____ / _____

_____ "

(Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed

[4-1.1]—page 1 of 5

B. 35 U.S.C. §§ 120, 121 and 365(c)

NOTE: "Except for a continued prosecution application filed under § 1.53(d), any nonprovisional application claiming the benefit of one or more prior filed copending nonprovisional applications or international applications designating the United States of America must contain or be amended to contain in the first sentence of the specification following the title a reference to each such prior application, identifying it by application number (consisting of the series code and serial number) or international application number and international filing date and indicating the relationship of the applications. . . . Cross-references to other related applications may be made when appropriate." (See § 1.14(a)). 37 C.F.R. § 1.78(a)(2).

☐ "This application is a
☒ continuation of co-pending application 08/604,105 filed 02/20/96
and a ☒ continuation-in-part of co-pending application 09/009,720 filed 01/20/98
☐ divisional which are CIP's of 08/581,065 filed 12/24/95 and
~~of copending application(s)~~ 08/042,879 filed 04/05/93, each incorp. herein
☐ application number 0 / _____ filed on _____
☒ International Application _____ filed on _____
_____ and which designated the U.S."

NOTE: The proper reference to a prior filed PCT application that entered the U.S. national phase is the U.S. serial number and the filing date of the PCT application that designated the U.S.

NOTE: (1) Where the application being transmitted adds subject matter to the International Application, then the filing can be as a continuation-in-part or (2) if it is desired to do so for other reasons then the filing can be as a continuation.

NOTE: The deadline for entering the national phase in the U.S. for an international application was clarified in the Notice of April 28, 1987 (1079 O.G. 32 to 46) as follows:

"The Patent and Trademark Office considers the International application to be pending until the 22nd month from the priority date if the United States has been designated and no Demand for International Preliminary Examination has been filed prior to the expiration of the 19th month from the priority date and until the 32nd month from the priority date if a Demand for International Preliminary Examination which elected the United States of America has been filed prior to the expiration of the 19th month from the priority date," provided that a copy of the international application has been communicated to the Patent and Trademark Office within the 20 or 30 month period respectively. If a copy of the international application has not been communicated to the Patent and Trademark Office within the 20 or 30 month period respectively, the international application becomes abandoned as to the United States 20 or 30 months from the priority date respectively. These periods have been placed in the rules as paragraph (h) of § 1.494 and paragraph (i) of § 1.495. A continuing application under 35 U.S.C. 365(c) and 120 may be filed anytime during the pendency of the international application."

☐ "The nonprovisional application designated above, namely application _____ / _____, filed _____, claims the benefit of U.S. Provisional Application(s) No(s).:

APPLICATION NO(S).:

FILING DATE

_____ / _____	_____ "
_____ / _____	_____ "
_____ / _____	_____ "

☒ Where more than one reference is made above, please combine all references into one sentence.

ANT-CIP-2

98/604, 105

Filed 02/20/16

109/004,220

Feb 01/20/98

be able to use that same cellular unit in such vehicle or building while minimizing such radiational effect therein.

It is an object of the present invention to permit a user of a portable hand-held electronic communication device such as a cellular telephone or the like, to conveniently use that same hand-held device/cellular phone in an automobile, plane or building, office/desk, or anywhere signal transmission is needed, and to permit such signal to reach its intended destination such as a communications network or satellite, without interfering with other electrical equipment and in spite of interfering walls of buildings or structure and/or other electrical equipment.

It is a further object of the present invention to minimize any radiation from such a portable device, such as a cellular telephone or the like, while such use occurs in an automobile, a building or an elevator, an airplane, a cab, or other public facility in which the user wishes to minimize his own exposure to stray radiation, and also to permit re-transmission of his signal, to avoid the necessity of connecting and disconnecting cables, and to permit a wide variety of cellular telephones such as would be utilized in a rental car where various manufactures' phones would be used, and to permit control of such re-transmission of signals where desired, so as to allow user/customer billing and monitoring thereof.

Brief Summary of the Invention

The present invention comprises a docking system adaptable to an automobile, plane, building or desk for receipt of an electronic communication device such as a cellular telephone, portable computer, facsimile machine, pager or the like, to permit a user safe, environmentally safe, non-touching, radiationally communicative mating of the antenna of that device to a further transmission line through a juxtaposed pick-up probe, the signal coming in or going out through a communications network or further remote antenna.

The docking system may comprise a "zone" or "focal area" as a generally rectilinear area/volume on/in a desk or work surface on/in which the electronic communication device may be placed, such a surface or space being possible on a desk, or in a plane. That focal area may also, in a further embodiment, be comprised of one or more rooms in a building, such focal area having a pick-up probe thereat, in conjunction with a shield placed on/in the desk, room, vehicle or building to prevent the radiation from that communication device from traveling in any undesired directions within the desk, room, vehicle or building.

The focal area may be defined by a metal walled structure within or on which a broadband probe is arranged. The metal walled structure acts as a shield to minimize radiation from the communication device from passing therethrough. In a first

may be flexible. The communication device may include at least two cellular telephones (or other portable communication devices) simultaneously connected to the remote antenna.

The invention also includes a method of coupling a portable communication device having an externally radiative antenna, to a signal transmission line having a further remote antenna thereon, for the purpose of effecting radio signal transmission therebetween, the method comprising the steps of arranging a radiation shield in juxtaposition with at least a portion of said radiative antenna of the portable communication device, mounting a coupling probe adjacent the shield and in communication with the signal transmission line, and placing the externally radiative antenna of the portable communication device close to the probe and the shield so as to permit radiative communication between the externally radiative antenna and the signal transmission line via the coupling probe. The method may include arranging the shield in or on a generally planar work surface so as to restrict the propagation of at least a portion of the radiation emanating from the communication device primarily only to the vicinity of the probe. The method may include attaching a control unit to the transmission line to permit regulation of electric signals therethrough, and adding a further communication device in juxtaposition with a further probe, the further probe also being in electronic communication with that control unit, so as to permit multiple simultaneous use of the transmission line and communication system and/or remote antenna therewith. The method of coupling the portable communication device to the signal

transmission line, may also include the step of billing any users of the communication and/or remote antenna by monitoring and tabulating any signals received by and sent through the control unit.

It is an object of the present invention to provide a shielded antenna docking arrangement, which itself may be portable, for use with a portable communication device such as a cellular telephone, facsimile machine or ground position indicator or the like, such use occurring in a vehicle such as a plane, an automobile or a cab or in a public or private building, office desk or elevator.

Brief Description of the Drawings

The objects and advantages of the present invention will become more apparent when viewed in conjunction with the following drawings in which:

Figure 1a is a perspective view of a focal area docking arrangement, as may be utilized with a desk;

Figure 1b is a partial view taken along the lines A-A of figure 1a;

Figure 2a is a perspective view of a portable focal area docking system for portable communication devices;

Figure 2b is a view taken along the lines B-B of figure 2a;

Figure 3a is a block diagram of a docking system having a sensor unit arranged therewith;

Figure 3b is a block diagram of a further embodiment of that shown in figure 3a; and

Figure 4 is a side elevational view of a docking system, as it may be utilized in a vehicle.

Description of the Preferred Embodiments

Referring now to the drawings in detail, and particularly to figure 1a, there is shown a portable communication device docking arrangement 10, to permit a portable communication device such as a hand-held cellular telephone 12 to be utilized thereon, such as on a desk 14 or adjacent to it, and as a personal communicator (i.e. cellular telephone, facsimile machine, pager or the like) which may also be carried on an individual.

Such a docking system 10 of the present invention may also be adaptable to an automobile, plane, or building for providing radiationally restrictive communication between a portable electronic communication device 12 such as a cellular telephone, portable computer, facsimile machine, pager, or the like, while allowing communicative mating of the radiative antenna of that device to a further transmission line and communication system

and/or a more remote antenna, as recited and shown in our aforementioned patent applications, incorporated herein by reference in their entirety.

The docking system 10 may comprise a "zone" or "focal area" 16 as a rectilinear area/volume on/in a desk 14 or work surface on/in which the electronic communication device 12 may be placed, such a surface or space being in a structure such as an airplane. That focal area 16 has a pick-up coupling probe 22 thereat, as shown for example in figure 1b, in conjunction with a shield 24 placed on/in the desk 14, (or room , vehicle or building, as shown in figures 3a and 3b), to prevent the radiation (electromagnetic/microwave) emanating from that communication device 12 from traveling in any undesired directions within the desk, room, vehicle or building.

The focal area 16 may be defined by a metal walled housing structure 30 within which a broadband probe 22 is arranged, as shown in figure 1b. The metal walled structure 30 acts as a shield to minimize undesired radiation from the communication device 12 from passing therethrough. In a first embodiment, the shield may be comprised of a partial housing 34 disposed within the upper work surface 36 of a desk 14, as may be seen in figure 1b. The pick-up probe 22 would be elongatively disposed within the partial housing structure 30 and be in electrical communication with a transmission line 32 such as coaxial cable, waveguide, or the like. The transmission line 32 would be in electrical communication with an electric communications network or distribution system 38, and/or

to a further remote antenna 40, such as may be seen in figures 1b, 3a and 3b. The partial housing 30 may have a planar dielectric layer 42 thereover, which would also be co-planar with the surface of the desk 14. The communication device 12 would be placed within the pickup zone of the focal area 16, and would be able to transmit and receive signals through the dielectric layer 42. The partial housing 30 would act as the shield in the desk, to minimize radiation directed towards the worker(s) at the desk.

In a further embodiment as shown in figure 2a, the shield or housing may be comprised of a thin, generally planar mat 50 of conductive material, which mat 50 may be flexible and distortable, for conformance to any surface (human or otherwise), and may be folded or rolled up to minimize storage requirements. The mat 50 has an upper layer 52 made of a dielectric material (plastic, foam or the like). A thin, flat, conformable coupling probe 54 is embedded into or printed onto the upper surface of the layer of dielectric material 52. The mat 50 may be utilized as a portable focal area for placement of a communication device thereon, or wrapped-up in an enveloping manner therein. The probe 54 is connected to a transmission line 56, in electrical contact with a network or remote antenna, not shown in this figure.

A yet further embodiment of the present invention includes a control unit 60, connected into the transmission line 62 from the pickup probe 64 to the further remote antenna 66 shown in figures 3a and 3b,. The control unit 60 may comprise a filter, switch,

amplifier, attenuator, combiner, splitter, or other type of frequency converter, connected to a computer 68. The computer 68 may be arranged to accumulate customer or billing information by functioning with a processor to print out use-data 69, to maintain frequency control functions, or to act as a regulator for multiple users of the antenna coupling system 10. There may be a plurality of pickup coupling probes 64 each connected to the control unit 60 and the transmission line 62, one probe 64 in each of a plurality of shielded rooms 65, each wall or work area(desk) having a shield, the rooms 65 shown in a building 67, in figure 3b.

The view shown in figure 4, displays a portable communication device such as a facsimile machine or computer 70 supported on a tray 72 articulably mounted on the back of an airplane seat 74. The tray 72 has a "focal area" 75 therewithin, as represented by the dashed lines 76. The focal area 75 includes a conductive (preferably metallic) shield arranged beneath and partially surrounding a broadband probe 77. The probe 77 transmits electrical signals radiated to and from a radiative antenna on or in the base of the portable communication device 70. A transmission line 78 which may be comprised of coaxial cable, waveguide, or optical fibers, extends from the probe within the focal area, to a further remote antenna 80 mounted outside of the structure, which here, is identified as an airplane.

A control unit 82, such as attenuators, heterodyne converters, amplifiers, bandpass filters, switches, or the like, may be arranged in communication with the transmission line 78 to monitor or control the time in the vehicle in which the communication device may be utilized, for example, to limit certain times when such devices may be utilized in an airplane, or to modulate the signal being transmitted or received by the remote antenna, and/or to monitor usage of the docking system for subsequent billing of those users.

Thus what has been shown is a unique system for minimizing the detrimental effects of radiation from common portable communication devices to their users, while improving the transmission capabilities and customer usage of such devices, overcoming the barriers such as buildings and vehicles in which such devices might otherwise be utilized, that would interfere with the flow of signals transmitted.

We Claim:

1. A docking system for connecting a portable communication device to a further signal transmission line, said portable communication device having an externally radiative antenna, said system comprising:

a shield for restricting at least a portion of any radiation emanating from said externally radiative antenna of said portable communication device; and

a coupling probe mounted adjacent to said shield for radiatively coupling between said externally radiative antenna of said portable communication device and said further signal transmission line via radio frequency energy therebetween.

2. The docking system as recited in claim 1, wherein said shield is comprised of an electrically conductive material.

3. The docking system as recited in claim 1, wherein said shield defines a focal area station for receipt and transmission of a radio frequency signal, when a communication device is placed within said focal area. *room, tray*

4. The docking system as recited in claim 3, wherein said focal area stations may be selected from the group consisting of a desk, a room in a building, or a tray in a vehicle.

signal ext'd syst

11. The docking system as recited in claim 6, wherein a plurality of said communication devices are arranged in a simultaneous connection to said transmission line.

12. A method of coupling a portable communication device having an externally radiative antenna, to a signal transmission line having a further distribution system and/or remote antenna thereon, for the purpose of effecting radio signal communication therebetween, said method comprising the steps of:

arranging a radiation shield in juxtaposition with at least a portion of said radiative antenna of said portable communication device;

mounting a coupling probe adjacent said shield and in communication with said signal transmission line; and

placing said externally radiative antenna of said portable communication device communicatively adjacent said shield so as to permit radiative communication between said externally radiative antenna of said communication device and said signal transmission line via said coupling probe; and

arranging said shield in a generally planar work surface so as to restrict the propagation of at least a portion of the radiation emanating from said communication device;

13. The method of coupling said portable communication device to said signal transmission line, as recited in claim 12, including the step of:

attaching a control unit to said transmission line to permit regulation of electric signals therethrough.

14. The method of coupling said portable communication device to said signal transmission line, as recited in claim 13, including the step of:

adding a further communication device in juxtaposition with a further probe, so as to permit multiple simultaneous use of said transmission line and/or remote antenna therewith.

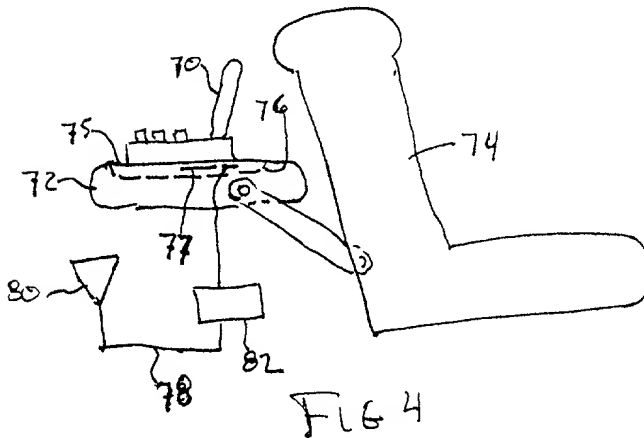
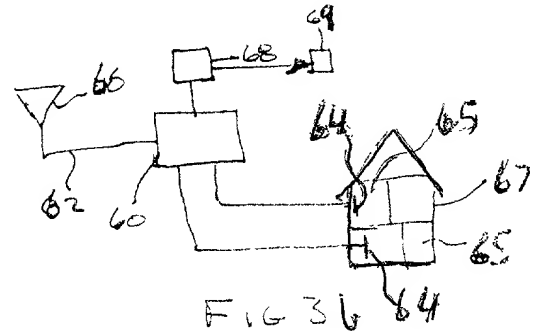
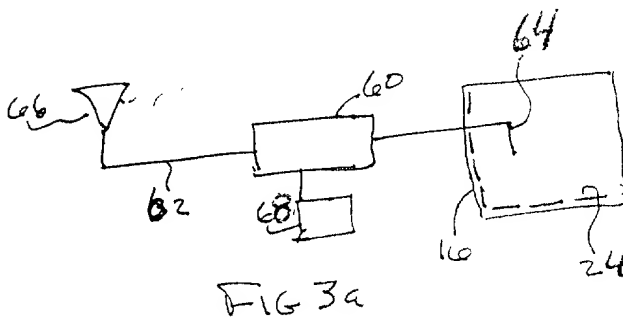
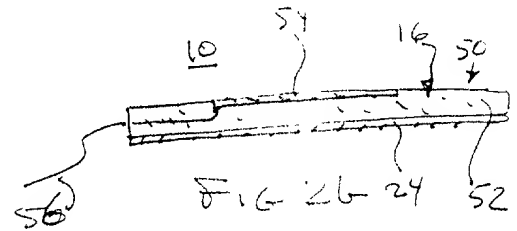
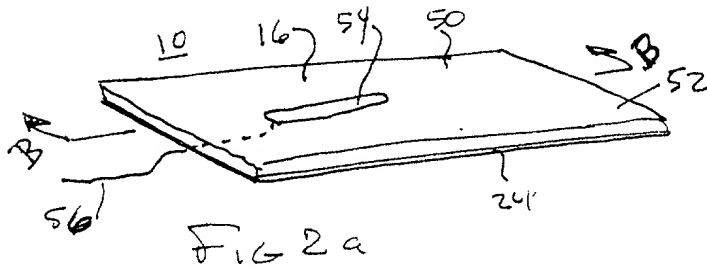
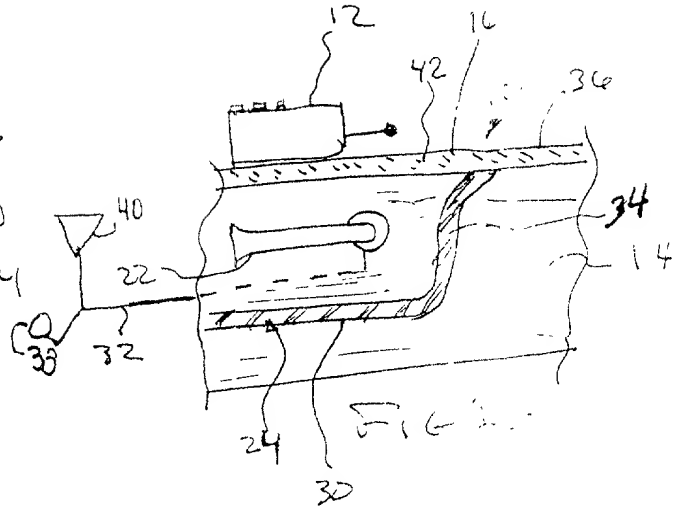
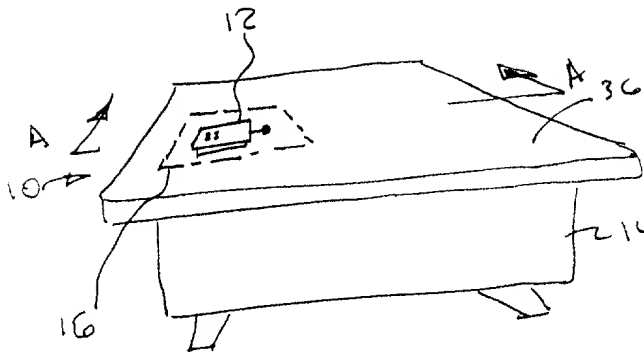
15. The method of coupling said portable communication device to said signal transmission line, as recited in claim 13, including the step of:

billing any users of said distribution system/remote antenna by monitoring and tabulating any signals received by and sent through said control unit.

Abstract of the Disclosure

The present invention comprises a docking system for connecting a portable communication device to a further signal transmission line. The docking system may be arranged within a workstation such as a desk or a tray. The system may also envelope a room in a building or be located in a vehicle, to control and restrict the radiative emission from the communication device and to direct such radiation to a further remote antenna and or signal distribution system connected to the transmission line.

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08/604,105

Attorney's Docket No. ANT-CIP-2

PATENT

COMBINED DECLARATION AND POWER OF ATTORNEY(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,
CONTINUATION OR C-I-P)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type: (check one applicable item below)

- ☒ original
☐ design
☐ supplemental

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

- ☐ national stage of PCT

NOTE: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR C-I-P.

- ☐ divisional
☐ continuation
☒ continuation-in-part (C-I-P)

INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below next to my name.
 I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTIONRadiative Focal Area Antenna Transmission Coupling Arrangement

003020 "DT-4560

SPECIFICATION IDENTIFICATION

the specification of which: (complete (a), (b) or (c))

- (a) ☒ is attached hereto.
- (b) ☐ was filed on _____ as ☐ Serial No. 0 / _____
or ☐ Express Mail No., as Serial No. not yet known _____
and was amended on _____ (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

- (c) ☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ (if any).

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56

(also check the following items, if desired)

- ☒ and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent and
- ☐ In compliance with this duty there is attached an information disclosure statement in accordance with 37 CFR 1.98.

PRIORITY CLAIM (35 U.S.C. § 119(a)-(d))

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- (d) ☒ no such applications have been filed.
- (e) ☐ such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION 1.2.2.3. of the prior U.S. or PCT application(s) under 35 U.S.C. § 120

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Donald N. Halgren Reg. No. 27056

(check the following item, if applicable)

- ☐ Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

Donald N. Halgren
35 Central Street
Manchester MA 01944

DIRECT TELEPHONE CALLS TO:
(Name and telephone number)

Don Halgren
508-522-5000

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name as it should appear on the filing receipt and all other documents.

Full name of sole or first inventorRobert

(GIVEN NAME)

J

(MIDDLE INITIAL OR NAME)

CROWLEY

FAMILY (OR LAST NAME)

Inventor's signature *Robert Crowley*Date FEB 19 1996Country of Citizenship USAResidence 64 PURITAN LANE SUDBURY MA 01776Post Office Address SAME**Full name of second joint inventor, if any**Donald

(GIVEN NAME)

N.

(MIDDLE INITIAL OR NAME)

HALGREN

FAMILY (OR LAST NAME)

Inventor's signature *Donald N. Halgren*Date 20 Feb 1996Country of Citizenship USResidence 35 Central Street, Manchester MA 02144Post Office Address Same**Full name of third joint inventor, if any**

(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

FAMILY (OR LAST NAME)

Inventor's signature _____

Date _____ Country of Citizenship _____

Residence _____

Post Office Address _____

000000 "0444960

(check proper box(es) for any of the following added page(s) that form a part of this declaration)

☐ Signature for fourth and subsequent joint inventors. Number of pages added _____

* * *

☐ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added _____

* * *

☐ Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added _____

* * *

☐ Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time (37 CFR 1.47).

* * *

☒ Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.

☒ Number of pages added 2

* * *

☐ Authorization of attorney(s) to accept and follow instructions from representative.

* * *

(If no further pages form a part of this Declaration, then end this Declaration with this page and check the following item)

☐ This declaration ends with this page.

Attorney's Docket No. ANT-CIP-2

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF
ATTORNEY FOR DIVISIONAL, CONTINUATION OR C-I-P APPLICATION**

(complete this part only if this is a divisional, continuation or C-I-P application)

**CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)
UNDER 35 U.S.C. 120**

I hereby claim the benefit, under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information

☒ that is material to patentability as defined in 37, Code of Federal Regulations, § 1.56

(also check the following item, if desired)

☒ and that is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent, that occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

(also check the following item, if desired)

☐ In compliance with this duty, there is attached an information disclosure statement in accordance with 37 C.F.R. 1.98.

003030" 0444E960

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:					
U.S. APPLICATIONS			Status (check one)		
U.S. APPLICATIONS	U.S. FILING DATE	Patented	Pending	Abandoned	
1. 08/581,065	12/29/95		X		
2. 08/042,879	04/05/93 <i>abandoned</i>		X		
3. 0 /					
PCT APPLICATIONS DESIGNATING THE U.S.					
PCT APPLI- CATION NO.	PCT FILING DATE	U.S. APPLICATION NOS. ASSIGNED (if any)			
4. _____		0 / _____			
5. _____		0 / _____			
6. _____		0 / _____			

12